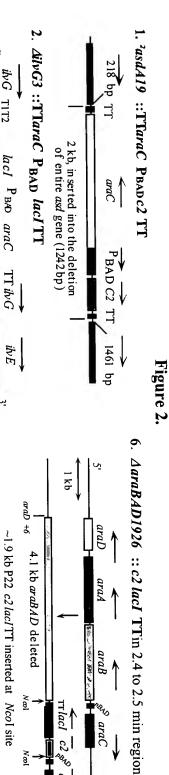
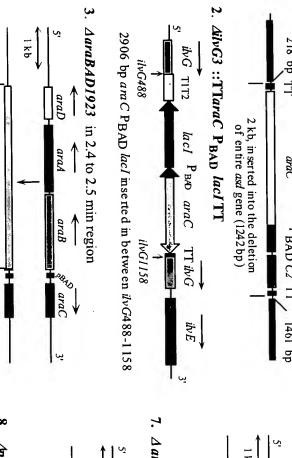
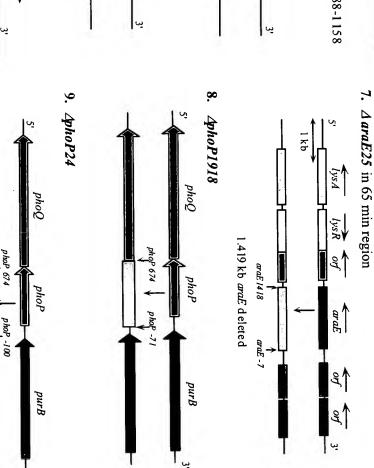
OSSS.OHESOS



Trlacl c2 gs araC

es arac





4. *AaraBAD1924* in 2.4 to 2.5 min region

araD

araA

araB

sers araC

 $araD_{+7}$ 4.1 kb araBAD deleted araB9

l kb

add SDrNcol sites

5. *AaraBAD1925* :: *c2* TTin 2.4 to 2.5 min region

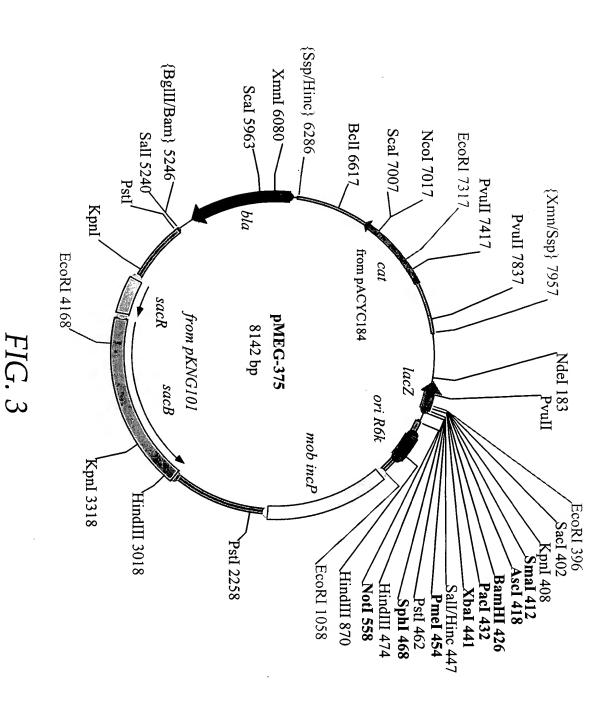
 $araD_{+7}$ 4.1 kb araBAD deleted $araB_{-3}$

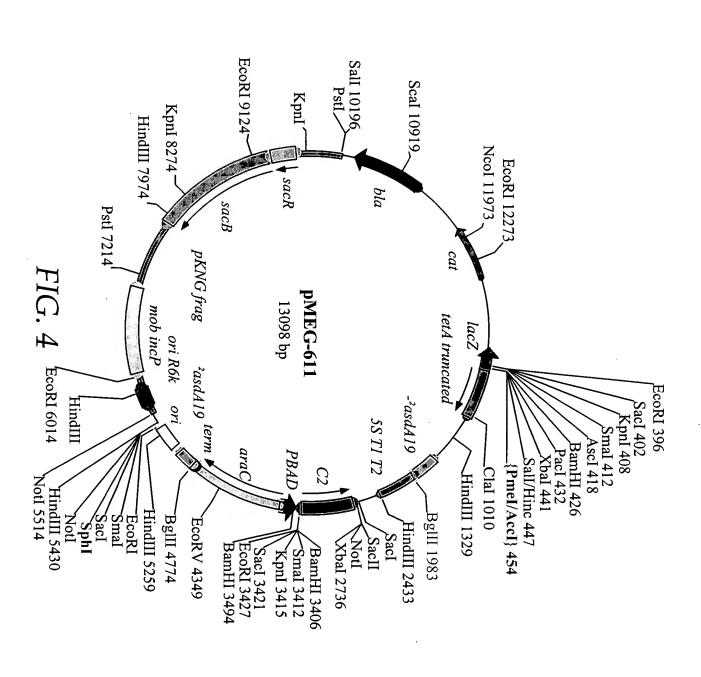
- kb

 \sim 800 bp P22 c2 TT inserted at NcoI site

: sequence deleted

4.1 kb araBAD deleted





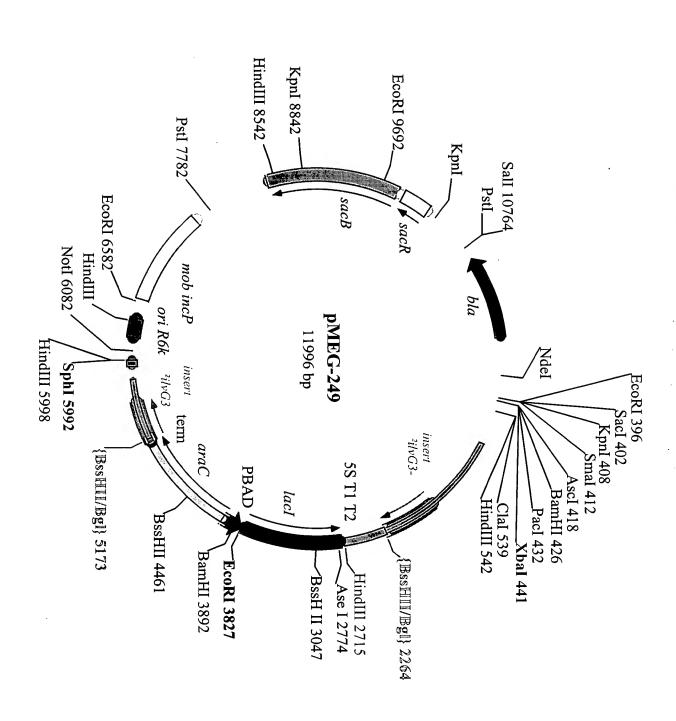


FIG. 5

Figure 6. pYA3484

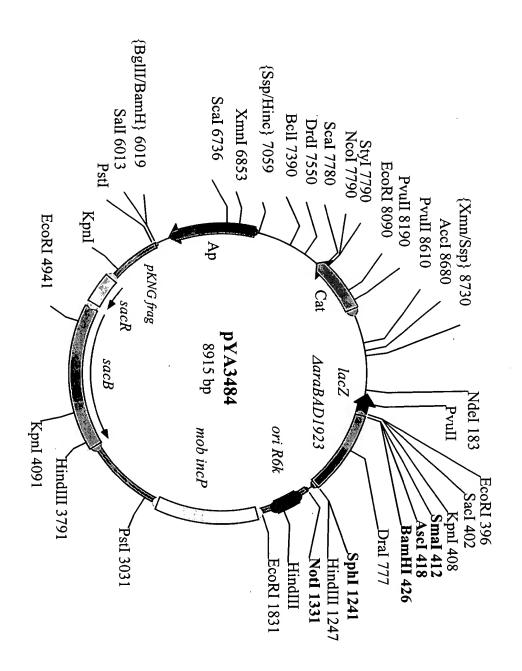
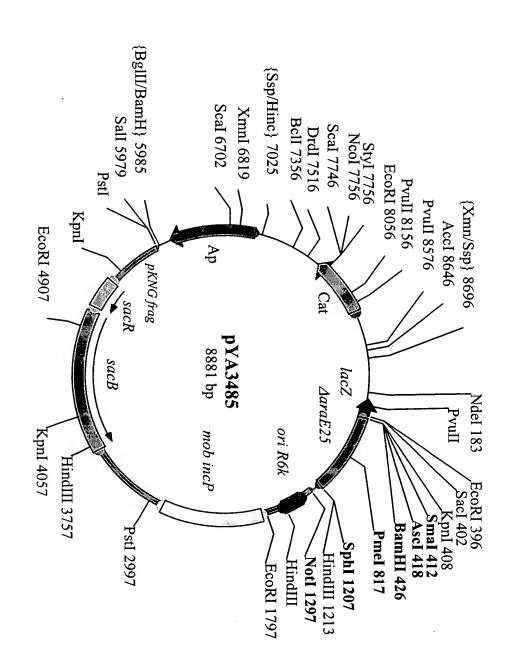
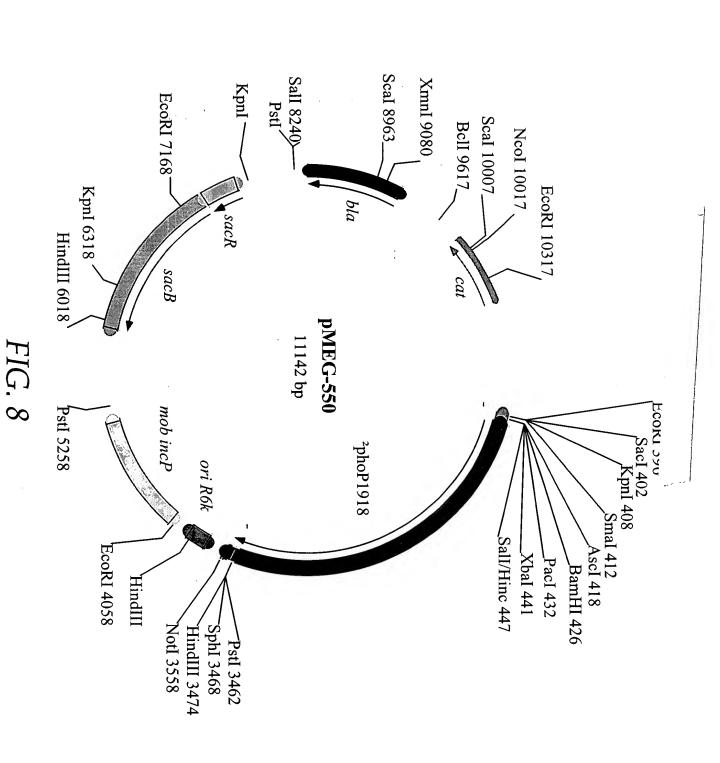
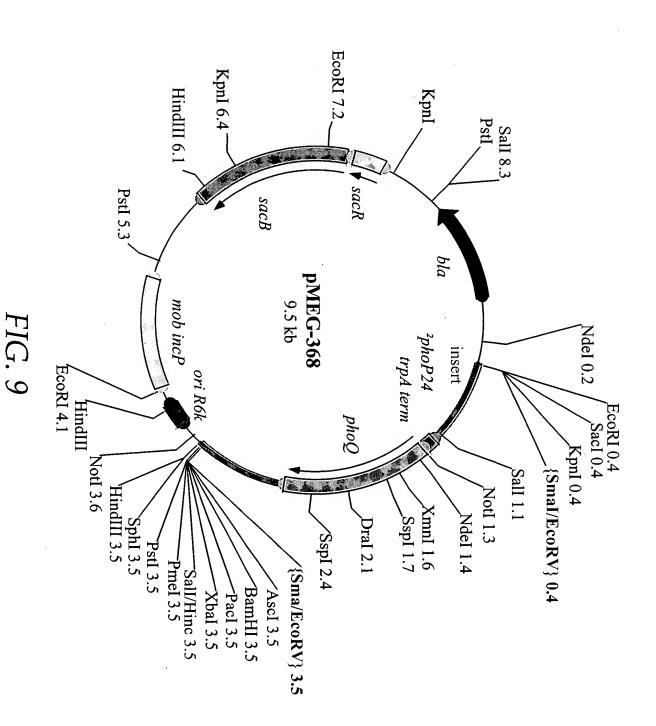
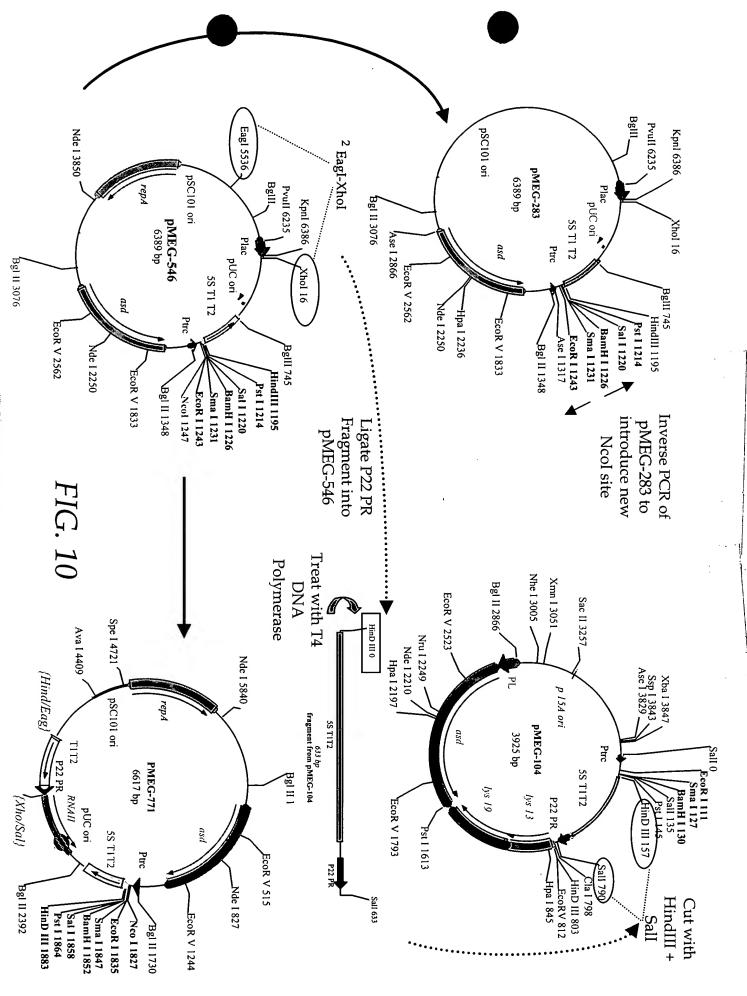


Figure 7. pYA3485









osseosso oueso

Figure 11. Modification of pMEG-771 to include &acRB (Lacl repressor binding) site after P22 № right before pUC rep to yield pYA3535

Figure 11. Modification of pMEG-771 to include a bindng) site after P22 P R right before pUC RNAII to yield pYA3535 lacRB (LacI repressor

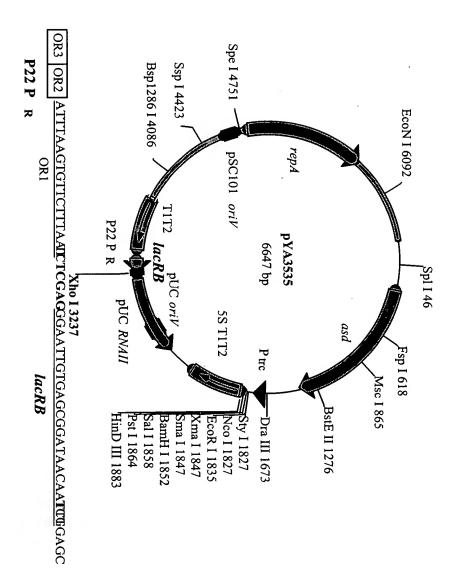
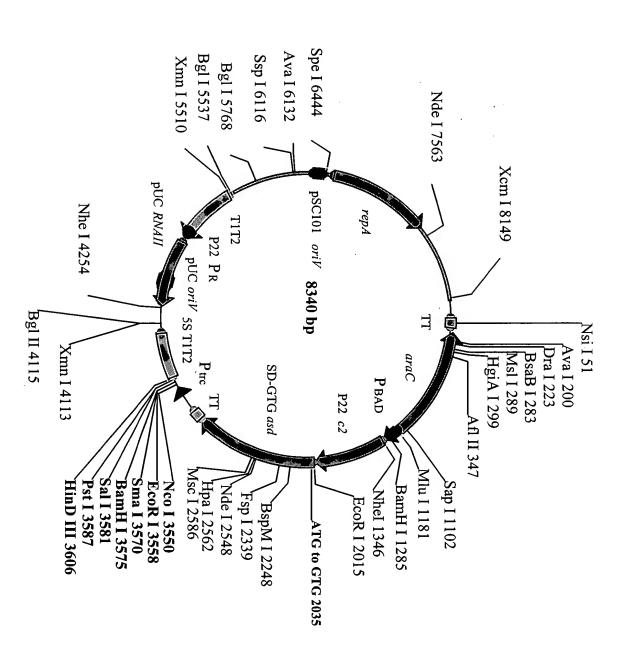


Figure 12. Modification of pMEG-771 to replacesd gene with araC PbAD c2 GTGasd



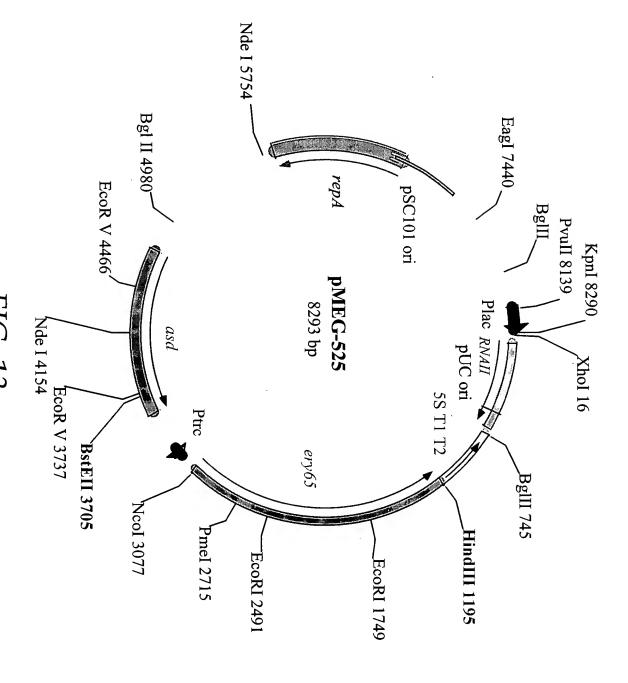


FIG. 13

marker pMEG-283 + Arab. pMEG-283 pMEG-525 + Arab. Salmonella typhimurium pMEG-525 -MGN-966 Containing marker pMEG-283 + Arab. [©]pMEG-283 pMEG-525 + Arab. pMEG-525 marker pMEG-283 + Arab.pMEG-283 pMEG-525 + Arab. pMEG-525 marker pMEG-546 + Arab. pMEG-546 -

pMEG-525 + Arab. pMEG-525 marker pMEG-546 + Arab. pMEG-546 pMEG-525 + Arab. ≒ pMEG-525 -

marker pMEG-546 + Arab. pMEG-546 pMEG-525 + Arab. pMEG-525 -

Salmonella choleraesuis

of Ery65 Strains During Growth Without Arabinose

ncreases in Plasmid DNA Copy Number

MGN-2267 Containing

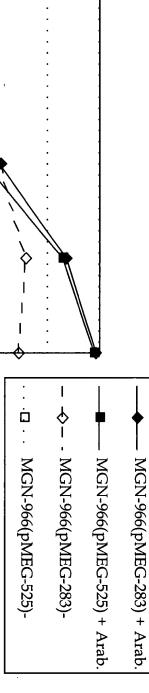


K

Increases in Ery65 Protein Expression During Growth With out Arabinose

Coomassie	46- 30- 21-	220-	marker Ery65 + Arab. Ery65 - Ery65 + Arab. Ery65 - Ery65 + Arab. Ery65 - marker Ery65 + Arab. Ery65 - Ery65 + Arab. Ery65 -	hr 6hr 8hr 4hr 6hr	Salmonella Salmonella typhimurium choleraesuis MGN-966(pMEG-525) MGN-2267(pMEG-525)
Western Western			Vector - Charker Ery65 + Arab. Ery65 - Vector-	4 hr 6 hr 8 hr 4 hr 6 hr 8 hr	Salmonella Salmonella typhimurium choleraesuis MGN-966(pMEG-525) MGN-2267(pMEG-525)

CFU/ml



Western Blot Analysis of Sera from S. typhimurium **Inoculated Mice**

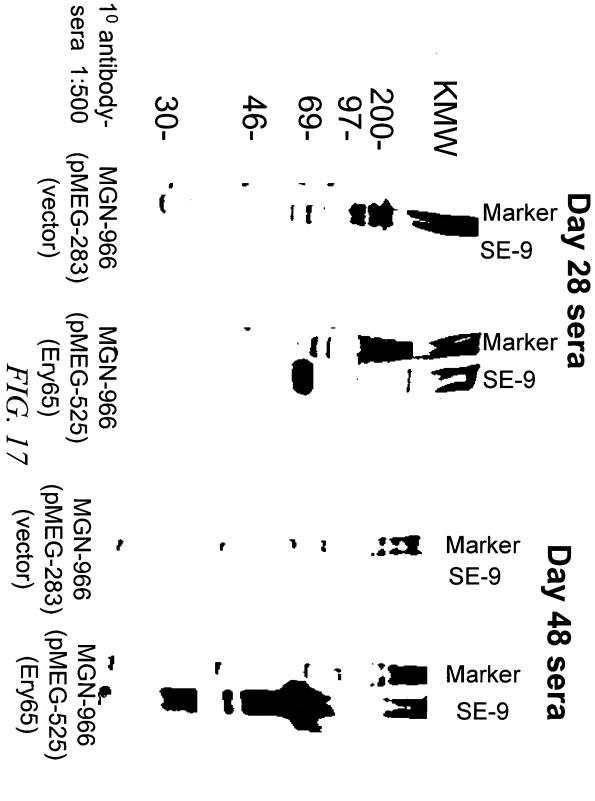


FIG. 18

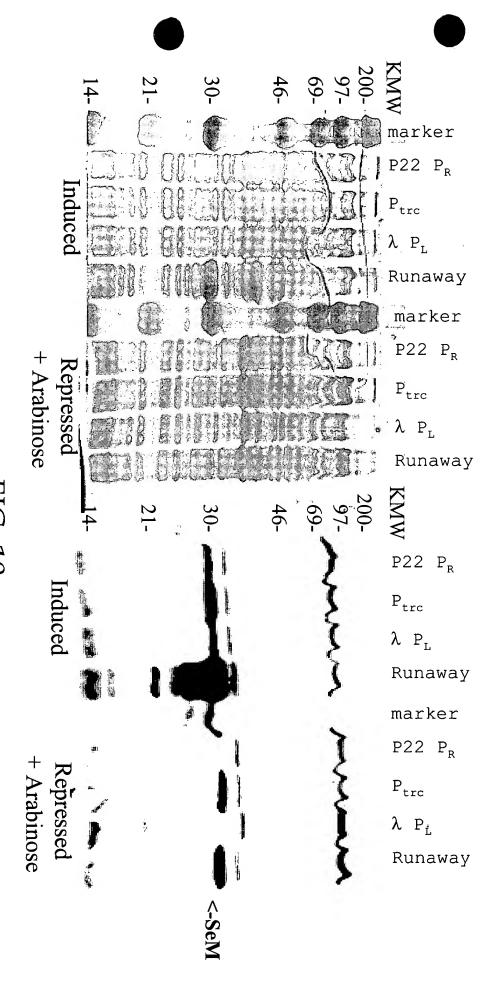


Figure 20. pYA3530 with araC PBAD GTG asd

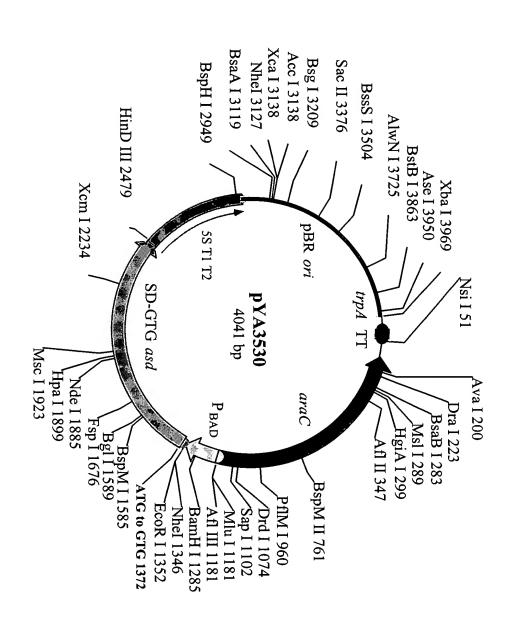


Figure 21. pYA3531 with araC PBAD P22 c2 GTG asd

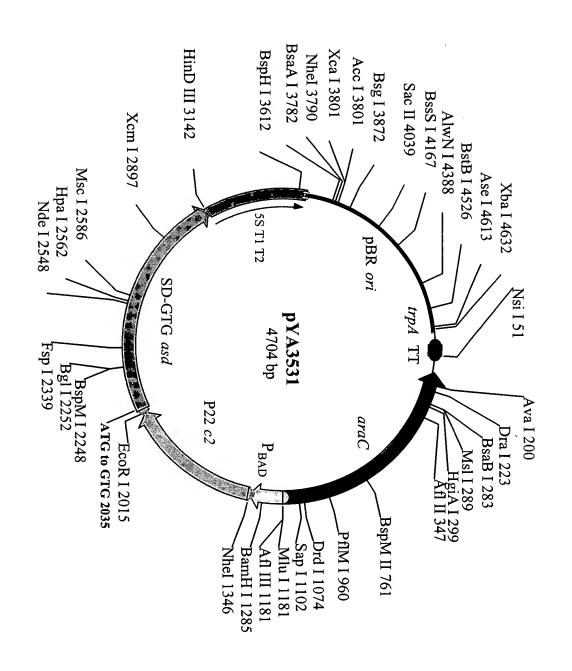
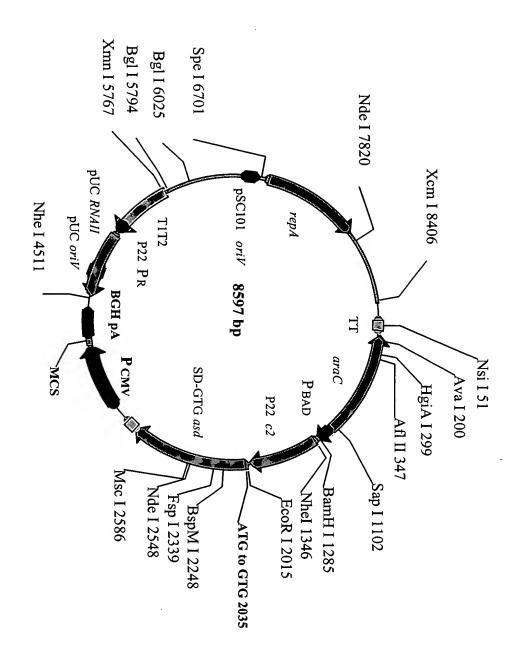


Figure 22. pMEG-771 modified with and gene replaced by araC

BAD c2 GTGasd and Ptrc MCS 5ST1T2 replaced by
eucaryotic May BGH pA expression cassette from
pVAX1 plasmid



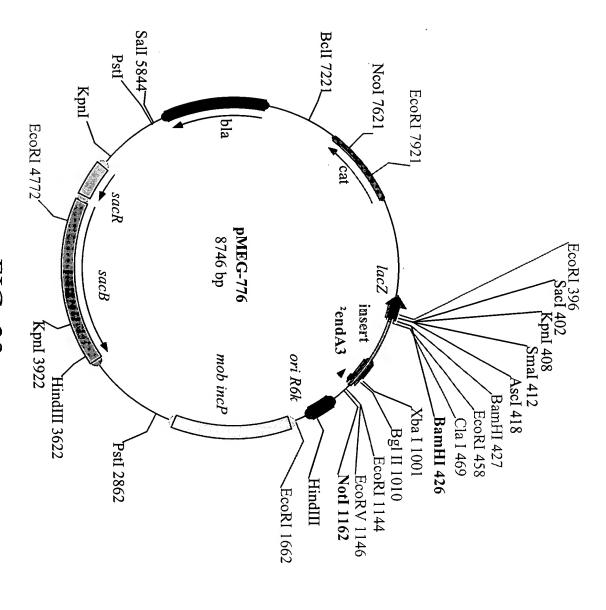


FIG. 23